

Technical Data Sheet

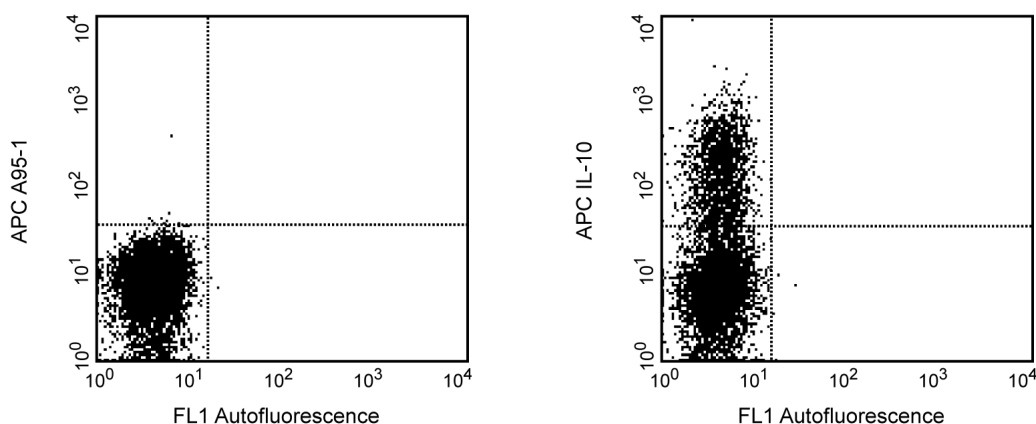
APC Rat IgG2b, κ Isotype Control

Product Information

Material Number:	556924
Size:	0.1 mg
Concentration:	0.2 mg/ml
Clone:	A95-1
Immunogen:	TNP-Keyhole Limpet Hemocyanin
Isotype:	Rat (LOU) IgG2b, κ
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The A95-1 antibody has unknown specificity. Trinitrophenal (TNP), the immunogen, is a hapten that is not expressed on human, mouse, rat, or non-human primate cells. The A95-1 immunoglobulin was selected as an isotype control following screening for low background on a variety of mouse and human tissues.



Expression of IL-10 by MiCK-2 Cells. MiCK-2 cells (Cat. No. 554653) were permeabilized, and subsequently stained with 0.12 µg of APC-conjugated rat anti-mouse IL-10 antibody (APC-JES5-16E3, Cat. No. 554468; right panel) or 0.12 µg of APC-A95-1 rat IgG2b isotype control immunoglobulin (Cat. No. 556924, left panel) by using the BD Pharmingen staining protocol. The quadrant markers for the bivariate dot plots were set based on the autofluorescence control.

Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated to APC under optimum conditions, and unconjugated antibody and free APC were removed.

Application Notes

Application

Intracellular staining (flow cytometry)	Routinely Tested
Isotype control	Routinely Tested

Suggested Companion Products

Catalog Number	Name	Size	Clone
554653	MiCK-2 Mouse Cytokine Positive Control Cells	1 mL	(none)
554714	BD Cytofix/Cytoperm™ Fixation/Permeabilization Kit	250 Tests	(none)
554656	Stain Buffer (FBS)	500 mL	(none)
554657	Stain Buffer (BSA)	500 mL	(none)
554468	APC Rat Anti-Mouse IL-10	0.1 mg	JES5-16E3
555029	Protein Transport Inhibitor (Containing Brefeldin A)	1 mL	(none)
559311	Mouse Intracellular Cytokine Staining Starter Kit	25 Tests	(none)

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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. An isotype control should be used at the same concentration as the antibody of interest.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
5. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

References

Prussin C, Metcalfe DD. Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies. *J Immunol Methods*. 1995; 188(1):117-128. (Methodology: Flow cytometry)

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